



RECEIVED

MAY 30 2002

TECH CENTER 1600/2900

Applicant : Anastasios Melis et al.

Atty Dkt. No. NREL #99-29

Serial No. : 09/748,690

Filing Date: 12/22/00

Group Art: 1651

Examiner: V. Afremova

Title: HYDROGEN PRODUCTION USING
HYDROGENASE-CONTAINING
OXYGENIC PHOTOSYNTHETIC
ORGANISMS

COPY OF PAPERS
ORIGINALLY FILED

AFFIDAVIT SWEARING BACK OF REFERENCE UNDER 37 CFR §1.131

Hon. Commissioner of Patents and Trademarks
Washington, D.C. 20231

AFFIDAVIT

1 2 3 4 5
Anastasios Melis, Liping Zhang, John R. Benemann, Maria Ghirardi and Michael Seibert
being duly sworn depose and say:

that they are the inventors who, on Dec. 22, 2001, filed the above-identified application;

that they completed their invention, having made and disclosed the same to others, in this country prior to the Proceedings of the 1999 U.S. DOE Hydrogen Program Review of A. Melis et al. , and prior to the publication date of SUSTAINED PHOTOBIOLOGICAL HYDROGEN GAS PRODUCTION UPON REVERSIBLE INACTIVATION OF OXYGEN EVOLUTION IN THE GREEN ALGA, *Chlamydomonas reinhardtii*;

that prior to 1999, they conducted the research that matured into this application, and a photo-static copy of this research is attached hereto;

that they do not know and do not believe that the invention has been in public use or on sale in this country, or patented or described in a printed publication in this or any foreign

country for more than one year prior to their application date, and they have never abandoned this invention.

Anastasio Melis
Anastasio Melis

Melis Anastasios

~~Liping Zhang~~

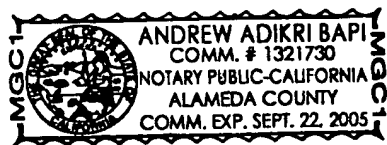
~~John R. Benemann~~

~~Maria Ghirardi~~

~~Michael Seibert~~

Sworn to and subscribed before me by the above-named applicants, this

13 TH date of MAY, 2002.



[Signature]

Notary Public

country for more than one year prior to their application date, and they have never abandoned this invention.

Anastasios Melis

Liping Zhang

Liping Zhang

John R. Benemann

Maria Ghirardi

Maria Ghirardi

Michael Seibert

Michael Seibert

Sworn to and subscribed before me by the above-named applicants, this
16th date of May, 2002.

Brenda E. Brantley

Notary Public
Brenda E. Brantley
Notary Public
State of Colorado
My Commission Expires 10/4/2005

country for more than one year prior to their application date, and they have never abandoned this invention.

Melis Anastasios

Liping Zhang



John R. Benemann

Maria Ghirardi

Michael Seibert

⑦

ATTACHED LOOSE CERTIFICATE

Sworn to and subscribed before me by the above-named applicants, this
_____ date of _____ 2002.

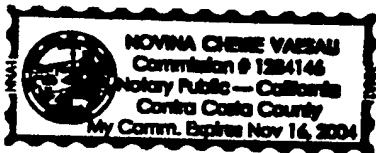
Notary Public

JURAT

State of CALIFORNIA
County of CONTRA COSTA } ss.

Subscribed and sworn to (or affirmed) before me
this 14TH day of MAY, 2002, by
Date Month Year
(1) JOHN RUDIGER BENELMAN
Name of Signer(s)

(2) _____
Name of Signer(s)



Novina Cherie Vaseau
Signature of Notary Public

OPTIONAL

Though the information in this section is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: AFFIDAVIT

Document Date: 12/22/00 Number of Pages: 2 PGS.

Signer(s) Other Than Named Above: _____

